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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/690,378	10/20/2003	Henry Harlyn Baker	200315149-1	6548

22879 7590 07/15/2009  
HEWLETT PACKARD COMPANY  
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INTELLECTUAL PROPERTY ADMINISTRATION  
FORT COLLINS, CO 80527-2400

EXAMINER
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KUNDU, SUJOY K

ART UNIT	PAPER NUMBER
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2863

NOTIFICATION DATE	DELIVERY MODE
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07/15/2009

ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/690,378	BAKER, HENRY HARLYN	
	<b>Examiner</b>	<b>Art Unit</b>	
	SUJOY K. KUNDU	2863	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 08 April 2009.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-17 and 32-48 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-14, 16-17, 32-45, 47-48 is/are rejected.
- 7) ☒ Claim(s) 15 and 46 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 October 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

**DETAILED ACTION**

***Election/Restrictions***

Applicant's election without traverse of Group I, Claims 1-17 and 32-48 in the reply filed on April 8, 2009 is acknowledged.

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-14, 16-17 and 32-45, 47-48 are rejected under 35 U.S.C. 102(b) as being anticipated by Pferd et al. (US 4,307,377).

With regards to Claims 1, 16-17, 32, and 47-48, Pferd teaches a method of calibrating an objective, comprising:

receiving the objective over a raster-organized surface having both image display and image acquisition modalities (Figure 1, 70, Column 3, Lines 59-62);

positioning a calibration model before the objective and the raster-organized surface in preparation for acquiring images of the calibration model (Claim1);

receiving images of the calibration model through the objective and onto raster-organized surface in an acquisition mode (Figure 1, 80, Column 3, Lines 50-55);

identifying optical characteristics of objective through a comparison of received images of the calibration model (Column 2, Lines 62-68).

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With regards to Claim 2, 33, Pferd teaches the method further comprising: recording a calibration vector corresponding to the objective that compensates for optical characteristics of the objective during both display and acquisition modes (Column 4, Lines 1-3).

With regards to Claim 3, 34, Pferd teaches the method wherein the calibration vector is stored in a storage area associated with the objective (Column 4, Lines 1-3).

With regards to Claim 4, 35, Pferd is silent with regards to wherein the calibration vector corresponding to the objective is stored on a storage device selected from a set of storage devices including: a CD-ROM, a DVD, a magnetic-tape, a floppy disc and a flash memory device. However, Pferd does teach the calibration vector is stored in a storage area associated with the objective (Column 4, Lines 1-3). Although, Pferd is silent with regards to specific storage devices, absent a lack of criticality, Pferd does teach the general use of a storage device.

With regards to Claim 5, 36, Pferd teaches the method wherein the objective is comprised of one or more lenslets that refract light in two dimensions (Figure 1, Column 3, Lines 33-49).

With regards to Claim 6, 9, 37, 40, Pferd teaches the method wherein the one or more lenslets are organized in a monolithic array configuration (Figure 1, Column 3, Lines 33-49).

With regards to Claim 7, 10, 38, 41, Pferd teaches the method wherein the lenslets in the monolithic array are organized into arrays selected from a set of shapes

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including a square shape, a hexagonal shape and a random shape (Figure 1, 60, Column 3, Lines 33-49).

With regards to Claim 8, 11, 39, 42 Pferd, teaches the method wherein the lenslets facilitate autostereoscopic display when the raster organized surface operates in the image display modality (Column 9, Lines 50-57).

With regards to Claim 12, 43 Pferd teaches the method wherein the raster oriented surface is comprised of adjacent emitting elements and sensing elements to perform the image display and image acquisition modalities respectively (Column 9, Lines 27-57).

With regards to Claim 13, 44, Pferd teaches the method wherein the emitting elements are selected from a set including liquid crystal display (LCD), light emitting diode (LED), and other components, and the sensing elements include photoreceptors (Figure 1).

With regards to Claim 14, 45, Pferd teaches the method wherein the raster oriented surface is comprised of dual-purpose elements configured to perform both image display and image acquisition modalities under a control (Column 9, Lines 27-57).

### ***Allowable Subject Matter***

Claim 15 and 46 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

### ***Conclusion***

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to SUJOY K. KUNDU whose telephone number is (571)272-8586. The examiner can normally be reached on M-F 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Drew Dunn can be reached on 571-272-2312. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Sujoy K Kundu/  
Examiner, Art Unit 2863